(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 8 March 2001 (08.03.2001)

PCT

(10) International Publication Number WO 01/16537 A2

(51) International Patent Classification⁷:

F25D 3/00

(21) International Application Number: PCT/IS00/00007

(22) International Filing Date: 29 August 2000 (29.08.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 5170

31 August 1999 (31.08.1999)

- (71) Applicant (for all designated States except US): SK-AGINN HF. [IS/IS]; Bakkatuni 26, IS-300 Akranes (IS).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ARNASON, Ingolfur [IS/IS]; Soleyjargotu 14, IS-300 Akranes (IS). NORD-DAHL, Gardar [IS/IS]; Sunnubraut 30, IS-300 Akranes (IS).
- (74) Agent: A & P ARNASON; Borgartun 24, IS-105 Reykjavik (IS).

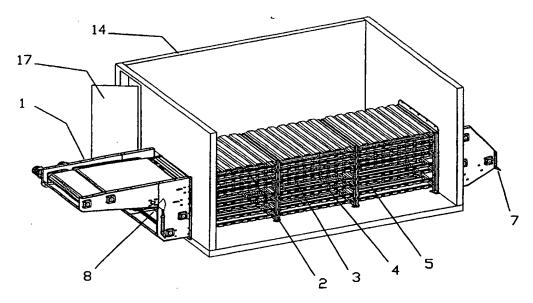
- (81) Designated States (national): AE, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (utility model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

 Without international search report and to be republished upon receipt of that report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A THERMAL PROCESSING CHAMBER AND A METHOD OF THERMALLY PROCESSING PRODUCTS



(57) Abstract: The present invention relates to a chamber and a method for continuous thermal processing of products being conveyed through the chamber. The thermal processing could be quick-freezing of fish or similar food items. The invention relates more specifically to a device and a method for processing the food items by means of thermal convection directly from a conveyor belt combined with thermal convection from an additional thermal source such as from the surrounding air. The combination of thermal induction provides a good performance e.g. for freezing products fast. The invention further relates to a conveyer belt for form stabilising the food items during the thermal process.



/O 01/16537 A2